

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

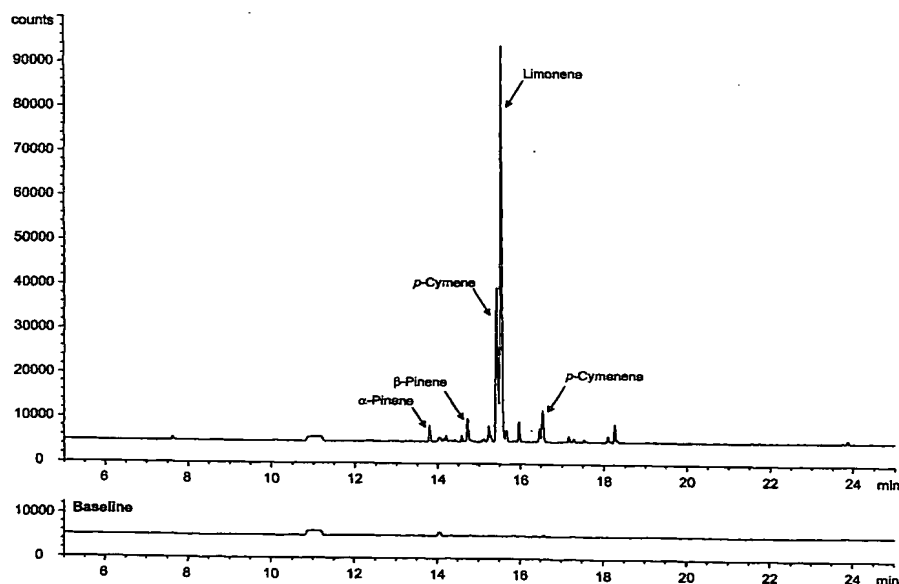
PCT

(10) International Publication Number
WO 2005/003734 A1

- (51) International Patent Classification⁷: **G01N 1/22**, 1/40, 33/497
- (21) International Application Number: **PCT/NZ2004/000137**
- (22) International Filing Date: **1 July 2004 (01.07.2004)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
526815 **3 July 2003 (03.07.2003)** **NZ**
- (71) Applicant (for all designated States except US): **AGRE-SEARCH LIMITED [NZ/NZ]**; East Street, Ruakura Campus, Hamilton (NZ).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GOLDSON, Stephen, Latham [NZ/NZ]**; 32 Fisher Avenue, Beckenham, Christchurch 2 (NZ). **BRAGGINS, Terry, John [NZ/NZ]**; 96 Hall Street, Cambridge (NZ). **HART, Alan, Leedham [NZ/NZ]**; 29 St John's Avenue, Palmerston North (NZ).
- (54) Agent: **JAMES & WELLS**; Private Bag 3140, Hamilton (NZ).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: A METHOD OF AND APPARATUS FOR DETECTING THE PRESENCE OF SIGNATURE VOLATILE COMPOUNDS FROM MATERIALS IN A CONFINED ENVIRONMENT



(57) Abstract: A capture system to enable volatiles associated with targeted materials located within a confined environment to be trapped over a period of time to enable the volatiles to be concentrated. The capture system comprises a package having a "surface" which is constructed in a manner that it can be located within a confined environment to trap specific volatiles associated with the targeted materials. The captured volatiles are desorbed from the surface and are analysed and the results compared with known signature volatile profiles from the targeted materials.

WO 2005/003734 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.